



## RAM AIRCRAFT, LP

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**ENGINES • PARTS • PROPELLERS • ACCESSORIES • STC'S**

### Cessna 414A - RAM Series V TSIOL-550A - Returning RAM Liquid-Cooled

#### RAM OHE CMI TSIOL-550A

- Horsepower - 350 hp
- TBO - 2000 hrs.
- RAM *Nickel New* Cylinders - NE
- Crankcase - heavy - w/ 7th stud - OHE
- Camshaft - RAM high-efficiency
- Crankshaft - OHE
- Alternator - exchange
- Starter and starter drive - OHE
- Spark plugs - new
- Magneto harness - Champion - new
- Magneto - Champion Slick 6320 - NE  
[ pressurized ]
- Fuel injection system - overhauled
- Hoses - intake manifold  
with clamps - new
- Oil filter - new
- Coolant tank - test, inspect and refurbish  
- exchange
- Liquid coolant pump - OHE
- Hose ( SCAT ) - fuel manifold - new
- Balance: crankshaft  
and rod sets - exchange
- Core Return Policy - See:  
RAM OHE CMI TSIOL-550A  
Engine Overhaul Specifications.
- Also see:  
RAM Value Options & Compliance Items.  
OHE = Overhauled Exchange  
NE = New Exchange - OEM or PMA  
New = New Outright - OEM or PMA  
New Items = Subject to test time,  
ferry time and inventory time.

#### Kit Components - Packaged Separately and Included

- Engine oil - break-in oil - new
- Throttle and control assembly - OHE
- Fuel pressure regulator - OHE
- Turbocharger - OHE
- Turbo controller - OHE
- Over boost relief valve - OHE
- Oil cooler - NE
- Hose - inlet coolant - new
- Induction flex elbows - intercooler to manifold - new
- Intercooler - clean and pressure test - exchange
- Air filter - new
- Cooling shroud - for dry vacuum pump - new
- Hoses ( SCAT & SCEET ) - NACA duct - new  
to: cooling wye, vacuum pump shroud,  
alternator, & riser heat shield - new
- Screen and O-rings - for air / oil separator - new
- Spare accessory gasket set - new

#### RAM OHE Engine CMI TSIOL-550A: \$73,994

Shipped - exchange, or Custom Overhauled - exchange

#### Important Information

- RAM delivery dates and ability to provide warranty and customer service is dependant on parts provided by the factory (OEM). There have been long delays awaiting required parts. The customer must agree that RAM is not responsible for the aircraft down time or inconvenience caused by delays in support.

## Additional Specifications

- **RAM Overhauled Engine TBO Warranty:**  
100% Engine and accessories for the 1st year, or 500-hrs, whichever occurs first. Thereafter, the engine only is warranted on a prorata basis to TBO at RAM's reduced minimum accrual rate of only 30 hours per month, thus extending coverage over five years. For complete details go to [www.ramaircraft.com/ramtbowarranty](http://www.ramaircraft.com/ramtbowarranty)
- **Equipment available for loan to the installing FBO**  
RAM will loan a Flush Kit for your system flushing prior to installing the newly purchased RAM engine. Prompt return of the cart is appreciated. Flush kit contents are: Shipping crate, flush cart with hoses, 2.5 gallons of *Radiflush*, flush cart filters, and Instruction sheet. Return deposit requested.
- **Exchange Core Policy:** Engine, crankcase, crankshaft, internal gears, exhaust, accessories, propeller, governor, and hardware items are only sold on an exchange basis, based upon the customer's exchange of like type and normal runout cores as removed from subject aircraft, and serviceable to RAM's overhaul specifications. Cores should be returned within 30 days of RAM OHE engine shipment, or immediately with a RAM installation. Non-serviceable core fees will be due and payable to RAM.
- **Items not included:** Vacuum pump, tach generator, hoses, air/oil separator, wastegate, exhaust risers and exhaust parts are not included unless specified by a RAM Work Order Supplement.
- **Please also see:**  
RAM TSIOL-550A Engine Overhaul Specifications  
RAM One Engine Install - Prior RAM Series V

## Optional Parts and Engine Installation Items

- Wastegate and Actuator - each - OHE : \$1,679 [ Core Charge: \$275 ]
- Engine shock mounts - Engine Set ( 4 ) - new: \$828
- Exhaust slip joint w/hardware - RAM PMA - each - new: \$343
- Exhaust riser heat shield - each - new: \$629
- Fuel, oil, & landing gear hydraulic *Teflon*™ hose kit - *per engine* - new: \$2,692
- Air conditioning Teflon™ hose kit - airplane - new: \$470
- Upgrade from standard massive plugs to fine wire spark plugs. Per engine - new: \$1,030

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